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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 09/08/2

J C Patents Inc Suite 250 4 Venture Irvine, CA 92618 09/08/2009

EXAMINER

LIU, SAMUEL W

ART UNIT PAPER NUMBER

1656

DATE MAILED: 09/08/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,305	12/19/2005	Franz Kerek	JCLA17225	6715

TITLE OF INVENTION: PEPTIDES HAVING A HIGH CYSTEINE CONTENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	12/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as NO:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further correspondence including the Patent, advance orders and notification indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 7590 09/08/2009					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
Irvine, CA 9261	8							(Depositor's name)	
								(Signature)	
								(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
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nonprovisional	YES	\$755	\$300	. 1	\$0		\$1055	12/08/2009	
EXAM	MUEL W	ART UNIT	530-323000						
CFR 1.363). Change of corresp Address form PTO/S. "Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA less an assignee is ident th in 37 CFR 3.11. Comp	unge of Correspondence "Indication form and. Use of a Customer A TO BE PRINTED ON	data will appear on th	ip to rnative or a attor Il be or typ he pa	3 registered patentiely, e firm (having as a gent) and the namerneys or agents. If i printed. e) tent. If an assigners assignment.	membes of uno nam	er a 2p to lee is 3	cument has been filed for	
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J C Patents Inc			LIU, SAMUEL W		
Suite 250			ART UNIT	PAPER NUMBER	
4 Venture Irvine, CA 92618			1656 DATE MAILED: 09/08/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 371 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 371 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/510 205	KEDEK EDANZ	
Notice of Allowability	10/540,305 Examiner	KEREK, FRANZ Art Unit	
	0.444151.347.1411	1050	
	SAMUEL W. LIU	1656	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com IGHTS. This application is	in this application. If not included munication will be mailed in due cour	se. THIS
1. This communication is responsive to 8/21/09 &8/10/09.			
2. The allowed claim(s) is/are 3,7,39-45 and 47.			
 3. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.	, ,,	
3. ☐ Copies of the certified copies of the priority do	•		frans tha
International Bureau (PCT Rule 17.2(a)).	cuments have been received	red in this national stage application i	rom me
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ile a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			CE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 🗆 Notice of	Informal Patent Application	
 Notice of References Cited (FTO-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413),	
	Paper N	o./Mail Date	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	/. 🔼 Examinei	's Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		's Statement of Reasons for Allowan	ce
WANTE LI DEGALI	9.	<u> </u>	
/ANAND U DESAI/ Primary Examiner, Art Unit 1656			
Timely Examinor, fut office 1000			

Art Unit: 1656

DETAILED ACTION

The amendment filed 8/10/09 which amends claims 3, and cancels claims 1 and 2 has been entered. Claims 10-32 were cancelled by the amendment filed 3/24/08. Claims 3-9 and 33-47 are under examination.

EXAMINER'S AMENDMENT

An Examiner's Amendment to the record appears below. Should the change and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no latter than payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with the applicants' representative Jiawei Huang on 8/21/09. Applicants agree to the Examiner's proposed amendment to claims 3, 39, 43-45 and 47, and cancels claims 4-6, 8, 9, 33-38 and 46.

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Rejoinder practice

The product claim 3 (examined) is allowable. Claims 43, 44, 45 and 47 are previously withdrawn from consideration as a result of a restriction requirement, require all the limitations of the allowable claim. Pursuant to the procedures set forth in MPEP § 821.04(a), the restriction requirement with regard to Groups V and VI set forth on page 2 of the Office action mailed 2/25/08 is hereby withdrawn and claims 43, 44, 45 and 47 hereby rejoined and fully examined for patentability under 37 CFR 1.104. Note that clam 46 of Group VI is not rejoined herein because the specification does not adequately describe the "thionine genes encoding the claimed hellethionin peptide of claim 3. In view of the withdrawal of the restriction requirement, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See In re Ziegler, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Amendments to the claims:

Claim 3 (Currently amended). <u>An Isolated isolated</u> cysteine containing peptides comprising:

KSCCRNTLGRNCYNGCRFTGGSQPTCGRLCDClHVTTTTCPSSHPS (SEQ ID NO: 1) (hellethionin-A),

KSCCRNTLGRNCYNACRFTGGSQPTCGRLCDClHVTTTTCPSSHPS (SEQ ID NO: 2) (hellethionin-B 1),

KSCCRNTLARNCYNACRFTGGSQPTCGRLCDClHVTTTTCPSSHPS (SEQ ID NO: 3) (hellethionin-B2),

KSCCRNTLGRNCYNACRLPGTPQPTCATLCDClHVTTPTCPSSHPR (SEQ ID NO: 4) (hellethionin-B3),

KSCCRNTLARNCYNACRFTGTSQPYCARLCDClHVTTPTCPSSHPR (SEQ ID NO: 5) (hellethionin-B4),

KSCCRNTLARNCYNACRFTGGSQPTCATLCDClHVTTPTCPSSHPR (SEQ ID NO: 6) (hellethionin-BS),

KSCCRNTLARNCYNVCRFGGGSQAYCARFCDClHVTTSTCPSSHPS (SEQ ID NO: 7) (hellethionin-B6)

KSCCRNTLGRNCYNACRLTGTSQATCATLCDCIHVTATTCRPPYPS (SEQ ID NO: 8) (hellethionin-C),

KSCCRNTLARNCYNACRFTGGSQPTCGILCDCIHVTTTTCPSSHPS (SEQ ID NO: 9) (hellethionin-D),

KSCCRNTLGRNCYAACRLTGLFSQEQCARLCDCITVTTPTPCPRTHPS (SEQ ID NO: 10) (hellethionin-E1), or

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KSCCRNTLGRNCYAACRLTGTFSQEQCARLCDCITVTTPTPCPRTHPS (SEQ ID NO: 11) (hellethionin-E2).

Delete claims 4-6, 8, 9 and 33-38.

Claim 39 (Currently amended). A Pharmaceutical pharmaceutical composition [,] comprising one or more isolated eysteine containing peptides according to claim 3 or functional derivatives of these peptides or pharmaceutically acceptable salts of said peptides or a mixtures of these compounds the isolated peptides according to claim 3.

Claim 43 (Currently amended). A Method method for the extraction of extracting the cysteine containing peptides according to claim 3 by extraction from the Helleborus species comprising defatting a helleborus plant material using a non-polar solvent and extracting said peptide from the defatted material.

Claim 44 (Currently amended). A <u>Method method</u> according to claim 43, wherein a <u>defatting of the plant material using the</u> non-polar solvents is carried out as first step of the <u>method</u>, particularly using tert. butylmethylether is tert-butyl methyl ether.

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Claim 45 (Currently amended). A Method method for the production of the cysteine containing peptides according to claim 3 by a gene technological recombinant methods.

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Delete claim 46.

Claim 47 (Currently amended). A Method method for the synthetic production of the cysteine containing peptides according to claim 3 and of functional derivatives of these peptides by peptide synthesis.

Therefore, claims 3, 7, 39-45 and 47 are allowed.

The following is an examiner's statement of reasons for allowance:

The 112/1 rejection (new matter) of claims 1, 2, 7 and 39-42 is withdrawn in light of cancellation of claims 1 and 2. The 112/2 rejection of claims 1-3, 7 and 39-42 is withdrawn in light of cancellation of claims 1 and 2. The 112/1 (scope enablement) rejection of claims 1, 2, 7 and 39-42 is withdrawn in light of cancellation of claims 1 and 2. The 103(a) rejection of claim 1 is withdrawn in light of cancellation said claim.

Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Samuel Wei Liu, Ph.D. whose telephone number is (571) 272-0949. The Examiner can normally be reached daily except alternate Fridays from 8:30 A.M. to 5:30 P.M. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor Andrew Wang can be reached at (571) 272-0811. The official fax number for Technology Center 1600 is (703) 308-4242. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 1600 receptionist whose telephone number is (703) 308-0196.

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/Samuel W. Liu/ Examiner, Art Unit 1656

/ANAND U DESAI/ Primary Examiner, Art Unit 1656 August 31, 2009